



FILE

Sheet 1 of 3

Form 1449*	Atty. Docket No.: 259.006US1	Serial No. 09/323,765
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)	Applicant: Mark D. Scott et al.	
	Filing Date: June 1, 1999	Group: 1645 1647

U.S. PATENT DOCUMENTS

**Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
RCN	4,179,337	12/18/1979	Davis, F.F., et al.	435	181	07/28/77
	5,006,333	04/09/1991	Saifer, M., et al.	424	78	07/13/89
	5,013,556	05/07/1991	Woodle, M.C., et al.	424	450	10/20/89
	5,214,131	05/25/1993	Sano, A., et al.	530	345	11/26/91
	5,380,536	01/10/1995	Hubbell, J.A., et al.	424	497	08/05/91
	5,395,619	03/07/1995	Zalipsky, S., et al.	424	450	03/03/93
	5,399,665	03/21/1995	Barrera, D., et al.	528	354	11/05/92
	5,529,914	06/25/1996	Hubbell, J.A., et al.	435	182	10/07/92
	5,578,442	11/26/1996	Desai, N.P., et al.	435	1.1	03/23/92

FOREIGN PATENT DOCUMENTS

**Examiner Initial	Document Number	Date	Country	Class	Subclass	Translation Yes No
RCN	86/04145	07/17/1986	PCT WPO	G01N	33/522	
	92/05801	04/16/1992	PCT	A61K	39/895	
	93/18649	09/30/1993	PCT	A01N	1/02	
RCN	95/06058	03/02/1995	PCT	C07K	1/10	
	95/26740	10/12/1995	PCT	A61K	35/39	
	96/21036	07/11/1996	PCT	C12N	15/87	
	96/41606	12/27/1996	PCT	A61K		
	97/28254	08/07/1997	PCT	C12N	5/08	
	98/32466	07/30/1998	PCT	A61K	47/48	

OTHER DOCUMENTS

(Including Author, Title, Date, Pertinent Pages, Etc.)

RCN	Lim et al. "Microencapsulated Islets as Bioartificial Endocrine Pancreas", <u>Science</u> , 210, 908-910, (Nov. 21, 1980).
	Mitz et al. "Synthesis of Biologically Active Cellulose Derivatives of Enzymes", <u>Nature</u> , 182, A Weekly Journal of Science, 576-577, (Feb. 18, 1961).
	Abuchowski, A., et al., "Alteration of Immunological Properties of Bovine Serum Albumin by Covalent Attachment of Polyethylene Glycol", <u>The Journal of Biological Chemistry</u> , 252 (11), 3578-3581, (June 10, 1977).
	Abuchowski, A., et al., "Effect of Covalent Attachment of Polyethylene Glycol on Immunogenicity and Circulating Life of bovine Liver Catalase", <u>The Journal of Biological Chemistry</u> , 252 (11), 3582-3586, (June 10, 1977).

Examiner

P. J. Vayer

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4/5/01

*Substitute Disclosure Statement Form (PTO-1449)

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**Examiner
Initial

RCH

Chillon, M., et al., "Adenovirus complexed with polyethylene glycol and cationic lipid is shielded from neutralizing antibodies in vitro", Gene Therapy, 5, 995-1002, (1998).

Fasbender, A., et al., "Complexes of adenovirus with polycationic polymers and cationic lipids increase the efficiency of gene transfer in vitro and in vivo", The Journal of Biological Chemistry, 272 (10), 6479-6489, (March 7, 1997).

Han, D.K., et al., "Preparation and Surface Properties of PEO-Sulfonate Grafted Polyurethanes for Enhanced Blood Compatibility", J. Biomater. Sci. Polymer Edn., 4 (6), 579-589, (1993).

Harris, J.M., "Laboratory Synthesis of Polyethylene Glycol Derivatives", Macromol. Chem. Phys., C25 (3), 325-371, (1985).

Harris, J.M., et al., "Synthesis and Characterization of Poly(ethylene glycol) Derivatives", Journal of Polymer Science, Polymer Chemistry Edition, 22, 341-351, (1984).

Hunt, C.A., et al., "Synthesis and Evaluation of a Prototypal Artificial Red Cell", Science, 230, 1165-1168, (Dec. 6, 1985).

Jackson, C.C., et al., "Synthesis, Isolation, and Characterization of Conjugates of Ovalbumin with Monomethoxypolyethylene Glycol Using Cyanuric Chloride as the Coupling Agent", Analytical Biochemistry, 165, 114-127, (1987).

Jeong, S.T., et al., "Decreased Agglutinability of Methoxy-Polyethylene Glycol Attached Red Blood Cells: Significance As A Blood Substitute", Art. Cells, Blood Subs., and Immob. Biotech., 24 (5), 503-511, (1996).

Klibanov, A.L., et al., "Activity of amphipathic poly(ethylene glycol) 5000 to prolong the circulation time of liposomes depends on the liposome size and is unfavorable for immunoliposome binding to target", Biochimica et Biophysica Acta, 1062, 142-148, (1991).

Lacy, P.E., et al., "Maintenance of Normoglycemia in Diabetic Mice by Subcutaneous Xenografts of Encapsulated Islets", Science, 254, 1782-1784, (Sept. 27, 1991).

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REN	Lasic, D., "Liposomes-Synthetic lipid microspheres serve as multipurpose vehicles for the delivery of drugs, genetic material and cosmetics", <u>American Scientist</u> , 80, 20-31, (Jan - Feb. 1992).
	Maruyama, K., et al., "Prolonged circulation time in vivo of large unilamellar liposomes composed of distearoyl phosphatidycholine and cholesterol containing amphipathic poly(ethylene glycol)", <u>Biochimica et Biophysica Acta</u> , 1128, 44-49, (1992).
	Merrill, E.W., <u>Poly(Ethylene Glycol) Chemistry: Biotechnical and Biomedical Applications</u> , Chapter 14: Poly(Ethylene Oxide) and Blood Contact - A Chronicle of One Laboratory, 199-220, (1992).
	Park, K.D., et al., <u>Poly(Ethylene Glycol) Chemistry: Biotechnical and Biomedical Applications</u> , Chapter 18: PEO-Modified Surfaces -- In Vitro, Ex Vivo, and In Vivo Blood Compatibility, 283-301, (1992).
	Sawhney, A.S., et al., "Modification of Islet of Langerhans surfaces with Immunoprotective Poly(ethylene glycol) Coatings via Interfacial Photopolymerization", <u>Biotechnology and Bioengineering</u> , 44, 383-386, (1994).
	Senior, J., et al., "Influence of surface hydrophilicity of liposomes on their interaction with plasma protein and clearance from the circulation: studies with poly(ethylene glycol)-coated vesicles", <u>Biochimica et Biophysica Acta</u> , 1062, 77-82, (1991).
	Vichinsky, E.P., et al., "Alloimmunization In Sickie Cell Anemia and Transfusion Of Racially Unmatched Blood", <u>The New England Journal of Medicine</u> , 322 (23), 1617-1621, (June 7, 1990).
	Von Specht, B.U., et al., "Polyvinylpyrrolidone as a Soluble Carrier of Proteins", <u>Hoppe-Seyler's Zeitschrift Fur Physiologische Chemie</u> , 354 (12), 1659-1660, (Dec. 1973).
↓	Zalipsky, S., et al., <u>Poly(Ethylene Glycol) Chemistry: Biotechnical and Biomedical Applications</u> , Chapter 21: Use of Functionalized Poly(Ethylene Glycol)s for Modification of Polypeptides, 346-370, (1992).

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